



## **RAW SEQUENCE LISTING** **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

09/938,842

Source:

OIRE

Date Processed by STIC:

9/13/2001

**THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**

**PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:**

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

**FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.**

**FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.**

**PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)**

**PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)**

**TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:**

### **Checker Version 3.0**

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

**Checker Version 3.0 can be down loaded from the USPTO website at the following address:**

**<http://www.uspto.gov/web/offices/pac/checker>**

OIPE

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/938,842

DATE: 09/13/2001  
TIME: 16:32:16

Input Set : N:\paola\09938842.txt  
Output Set: N:\CRF3\09132001\I938842.raw

Does Not Comply  
Corrected Diskette Needed

1 <110> APPLICANT: Harper, Jeff  
2 Kreps, Joel  
3 Wang, Xun  
4 Zhu, Tong  
6 <120> TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS  
CONTAINING SAME, AND *methods*  
7 METHODS OF USE  
9 <130> FILE REFERENCE: SCRIP1300-3  
*QC* 11 <140> CURRENT APPLICATION NUMBER: US/09/938,842  
11 <141> CURRENT FILING DATE: 2001-08-24  
11 <150> PRIOR APPLICATION NUMBER: US 60/227,866  
W--> 12 <151> PRIOR FILING DATE: 2000-8-24 *2000-08-24*  
14 <150> PRIOR APPLICATION NUMBER: US 60/264,647  
W--> 15 <151> PRIOR FILING DATE: 2001-1-16 *2001-01-16*  
17 <150> PRIOR APPLICATION NUMBER: US 60/300,111  
W--> 18 <151> PRIOR FILING DATE: 2001-6-22 *2001-06-22*  
20 <160> NUMBER OF SEQ ID NOS: 5379

*use this date format*

# ERRORED SEQUENCES

15509 <210> SEQ ID NO: 304  
15510 <211> LENGTH: 421  
15511 <212> TYPE: DNA  
15512 <213> ORGANISM: Arabidopsis thaliana  
15514 <220> FEATURE:  
15515 <221> NAME/KEY: N\_region  
15516 <222> LOCATION: (3)..(3)  
15517 <223> OTHER INFORMATION: n = any nucleotide  
15519 <400> SEQUENCE: 304  
E--> 15520 *accg* ttg ctttcgagcg gccgcccggg caggtaacc accctttatta ccattcaggt  
E--> 15522 ttcagaacct aggtgagatg atgactcttg gaagatatca ttctgtata tccccaggtt  
E--> 15524 tcattgaagg gcttaccctt gaagtttcaa ttggtcacgc agcgagaaaa ctggcgtatt  
E--> 15526 tgattagact tccaactgat gaaccccggt ttaaggctcg aatcagttgg ttgtctaaat  
E--> 15528 ctgctgttga ttcaattgct ttacttcaga gcaatctaac caaggttttg tctggttctt  
E--> 15530 gatctccggt tgttttgctt tggagattaa ttgcgttcgc tatgaaagac aaatggggag  
E--> 15532 tgtccctttg taccctttat tgggaatatcc ttgtattaaa aaaaaaaaaa aaaaaaaaaa  
E--> 15534 a  
89510 <210> SEQ ID NO: 1784  
89511 <211> LENGTH: 467  
89512 <212> TYPE: DNA  
89513 <213> ORGANISM: Arabidopsis thaliana  
89515 <220> FEATURE:  
89516 <221> NAME/KEY: N\_region  
89517 <222> LOCATION: (3)..(3)  
89518 <223> OTHER INFORMATION: n = any nucleotide  
89520 <400> SEQUENCE: 1784  
E--> 89521 *accg* att ggggtttacag ttactagac cagatgtggt ggggtttggg tacaaaagg

60

120

180

240

300

360

420

421

57

nos.

off

60

57

## RAW SEQUENCE LISTING

DATE: 09/13/2001

PATENT APPLICATION: US/09/938,842

TIME: 16:32:24

Input Set : N:\paola\09938842.txt

Output Set: N:\CRF3\09132001\I938842.raw

E--> 89523 ccagactggt ttctgaagtt gcaaaatgga aaaactgac agcaggcgagg ataggacggg 120  
 E--> 89525 gctgggtccac aggctacagc ctacagggttg atcatacata cctaaaacct ataatacagtt 180  
 E--> 89527 taggcagata tagtagcctt acaagttaga actatctcaa ttcataagtc ccaagtcacct 240  
 E--> 89529 aagccctcct ttgccatggc tctttgtgaa actagcactt taagataatc gcattttctc 300  
 E--> 89531 tcatctcctt gggcctctca caaactaaat tttgtgggca acttcaatct tggtttctag 360  
 E--> 89533 tatatgtgca aagatattaa aatcagtata aaattagtta gtgttagtat ttggagttta 420  
 E--> 89535 taaattttaa aatatctact acttcaatca aaagtcgacg cggccgc 467  
 123106 <210> SEQ ID NO: 2469  
 123107 <211> LENGTH: 245  
 123108 <212> TYPE: DNA  
 123109 <213> ORGANISM: Arabidopsis thaliana  
 123111 <220> FEATURE:  
 123112 <221> NAME/KEY: N\_region  
 123113 <222> LOCATION: (3)..(3)  
 123114 <223> OTHER INFORMATION: n = any nucleotide *same end*  
 123116 <400> SEQUENCE: 2469  
 E--> 123117 *0-0* accg tgc agcggccgcc cgggcaggta ccaaaccgga aaatacagtc tcatactttt 60  
 E--> 123119 aagtttttct gtttcagagt aagagatgac tgctcttct cctcttggtg aggaaaccat 120  
 E--> 123121 cttctccact taatttccat aatttccttg cttttagtaga gttacgactc cacttttttg 180  
 E--> 123123 cttcttgtaa tgtttctcta tttaaaaaaa accaaaaaaa aaaaaaaaaa aaaaaaaaaa 240  
 E--> 123125 aaaaa 245

*hos.*  
*dk*

*60*  
*59*  
*✓*

→ Use of n and/or Xaa has been detected in the Sequence Listing.  
 Review the Sequence Listing to insure a corresponding  
 explanation is presented in the <220> to <223> fields of  
 each sequence using n or Xaa.

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/938,842

DATE: 09/13/2001

TIME: 16:32:49

Input Set : N:\paola\09938842.txt

Output Set: N:\CRF3\09132001\I938842.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No  
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:12 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:15 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:18 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:15520 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:304  
L:15520 M:254 E: No. of Bases conflict, LENGTH:Input:60 Counted:58 SEQ:304  
L:15520 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:2  
M:254 Repeated in SeqNo=304  
L:15534 M:252 E: No. of Seq. differs, <211>LENGTH:Input:421 Found:419 SEQ:304  
L:89521 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1784  
L:89521 M:254 E: No. of Bases conflict, LENGTH:Input:60 Counted:58 SEQ:1784  
L:89521 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:2  
M:254 Repeated in SeqNo=1784  
L:89535 M:252 E: No. of Seq. differs, <211>LENGTH:Input:467 Found:465 SEQ:1784  
L:123117 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2469  
L:123117 M:254 E: No. of Bases conflict, LENGTH:Input:60 Counted:58 SEQ:2469  
L:123117 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:2  
M:254 Repeated in SeqNo=2469  
L:123125 M:252 E: No. of Seq. differs, <211>LENGTH:Input:245 Found:243 SEQ:2469  
L:179888 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3467  
L:205509 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3913